

**(57) Abstract**

A microphone structure comprising a microphone (M) and an electro-static discharge protector (ZD) placed close to microphone capsule (300), preferably inside it. Further the structure comprises within the microphone capsule an e.g. ladder-type filter having parallel capacitors (C31, C32, C33) and series resistors or coils (R31, Z) protecting the microphone from radio frequency disturbances. Structure parts may be on same circuit board or in same integrated circuit (IC). Structure is less susceptible to RF disturbances than known structures and its production costs are lower.

Fig. 3

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